

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A SOUTHBOUND EXCLUSIVE/PERMISSIVE LEFT TURN PHASE AT THE INTERSECTION OF MD 30 AT NORTH CARROLL MIDDLE SCHOOL ENTRANCE IN CARROLL COUNTY. MD 30 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

II. INTERSECTION OPERATION

THIS INTERSECTION WILL OPERATE IN A NEMA FOUR-PHASE FULLY-TRAFFIC-ACTUATED MODE. AN EXCLUSIVE/PERMISSIVE LEFT-TURN PHASE FOR SOUTHBOUND MD 30 IS PROVIDED. THE EXCLUSIVE LEFT-TURN PHASE WILL OPERATE AS A LAG PHASE. THE NORTHBOUND AND SOUTHBOUND MOVEMENTS OPERATE CONCURRENTLY.

1. CONTACT PERSONS

THE CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

DISTRICT 7

MR. JOHN CONCANNON
ASSISTANT DISTRICT ENGINEER - TRAFFIC
301-624-8140

MS. ANDREA ABEND
UTILITY ENGINEER
301-624-8115

MS. SUSAN PALMER
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
301-624-8105

MR. JOHN HUCHROWSKI
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
301-624-8200

OFFICE OF TRAFFIC AND SAFETY

MS. CORREN JOHNSON.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
MANAGER SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
MANAGER SIGN OPERATIONS
410-787-7670

MR. MIKE STOCKER
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING THE FOLLOWING STANDARD PLATES FOR TRAFFIC CONTROL: MD 104.03-09, MD 104.03-11, MD 104.04-13 THROUGH MD 104.04-16.

2. EQUIPMENT LIST

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

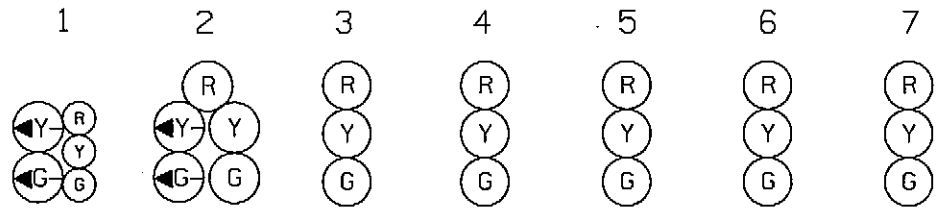
ITEM NO.	QUANTITY	UNIT	DESCRIPTION
900000	1	EA	VIDEO DETECTION INTERFACE EQUIPMENT: 1-8 CAMERAS

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
2002	1	CY	TEST PIT EXCAVATION
5005	20	LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
8001	16	EA	12 INCH LED SIGNAL HEAD SECTION
8009	1	EA	BREAKAWAY PEDESTAL POLE (ANY SIZE)
8011	1	EA	CONCRETE TESTING
8017	1	EA	INTERSECTION POLICE CONTROL
8027	1	EA	REMOVE & DISPOSE OF EQUIPMENT (PER ASSIGNMENT)
8032	2	EA	VIDEO DETECTION CAMERA AND CABLE
8043	60	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
8044	10	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8048	190	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
8052	1	EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8062	280	LF	ELECTRICAL CABLE - 7 CONDUCTOR (NO 14 AWG)

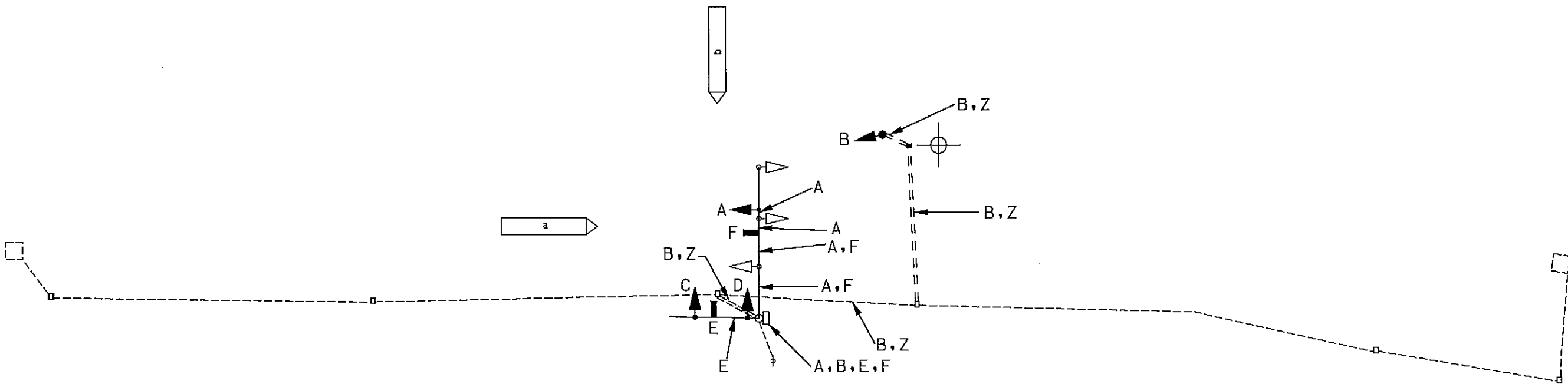
C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PHASE CHART



PHASE 2 & 6	G	G	G	G	G	R	R	←
2 & 6 CHANGE	G	G	G	Y	Y	R	R	→
PHASE 2 & 5	◀G-G	◀G-G	G	R	R	R	R	↑
2 & 5 CHANGE	◀Y-Y	◀Y-Y	Y	R	R	R	R	↓
PHASE 4	R	R	R	R	R	G	G	↓
4 CHANGE	R	R	R	R	R	Y	Y	↓
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	↓

WIRING DIAGRAM



WIRING LEGEND

A,B - 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
C,D - CONNECT TO EXISTING CABLE
E,F - VIDEO DETECTION CONTROL CABLE
Z - STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)

⊕ - GROUND ROD

TOD NO: XX524-01
SHA NO: CL201851
MD 30 @ North Carroll Middle School



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 30 AT NORTH CARROLL MIDDLE SCHOOL
MANCHESTER, MARYLAND

GENERAL INFORMATION SHEET

SCALE 1" = 20' ADVERTISED DATE 5-2013 CONTRACT NO. XX5245185

DESIGNED BY AMH COUNTY CARROLL
DRAWN BY AMH LOGMILE 06003005.35
CHECKED BY JFL TMS NO. L870
F.A.P. NO. TOD NO.

TS NO.2383B-GI DRAWING SG-2 OF 2 SHEET NO. 2 OF 2